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(54) Title: NUTRITIONAL OR PHARMACEUTICAL COMPOSITIONS FOR INCREASING THE CREATINE RESPONSE OF ORGANISMS

(57) Abstract: There is provided a nutritional or pharmaceutical composition comprising a protein fraction containing L-serine and an energy metabolism precursor wherein the composition is free of glycine or if glycine is present within the composition, the weight ratio of L-serine: glycine after hydrolysis of the composition is of more than 2.7:1, which composition provides an effective creatine response within mammals muscle and methylation reaction capacity of organisms.

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